

Converting Colors

XYZ(16.9891, 27.1694, 25.6077)

Have a look what the booklet for
XYZ(16.9891, 27.1694, 25.6077)
contains.

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Color

**XYZ(16.9878, 27.2116,
25.4761)**

Conversions

Conversions Part 1

Format	Color
Hex	10A182
RGB	16, 161, 130
RGB Percent	6%, 63%, 51%
CMY	0.9372, 0.3686, 0.4902
CMYK	0.90, 0.00, 0.19, 0.37
HSL	167°, 82%, 35%
HSV	167°, 90%, 63%
XYZ	16.9878, 27.2116, 25.4761
YIQ	114.1110, -76.4690, -40.3810

Conversions

Conversions Part 2

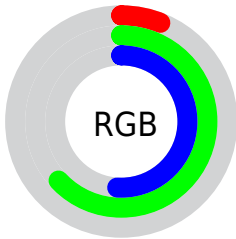
Format	Color
RYB	16, 97, 161
Decimal	1089922
CIELab	59.17, -42.36, 6.36
CIELCh	59, 42.837, 171.459
Yxy	27.2116, 0.2438, 0.3905
Android (android.graphics.Color)	4279280002 (0xFF10A182)
YUV	114.1110, 7.8333, -86.0433
Hunter-Lab	52.1647, -33.1586, 7.5594

Details

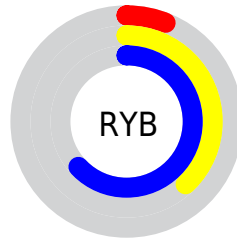
The XYZ color **16.9878, 27.2116, 25.4761** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.3973, 8.1536, 3.4529**, and the grayscale version is **16.0225, 16.8569, 18.3572**.

A 20% lighter version of the original color is **37.9762, 55.4243, 53.4961**, and **6.8478, 11.3192, 9.6085** is the 20% darker color. If you saturate the color by 10%, you get **16.5486, 27.0120, 24.2764**, and if you desaturate by 10%, it is **17.6088, 27.5053, 26.7324**.

Distribution



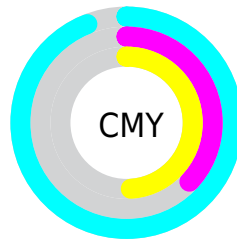
- Red (6%)
- Green (63%)
- Blue (51%)



- Red (6%)
- Yellow (38%)
- Blue (63%)



- Cyan (90%)
- Magenta (0%)
- Yellow (19%)
- Black (37%)



- Cyan (94%)
- Magenta (37%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9878, 27.2116, 25.4761 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 16.9878, 27.2116, 25.4761 by changing the saturation by 10% instead.

■ 16.9878, 27.2116,
25.4761

■ 16.9878, 27.2116,
25.4761

228.2597,
288.6802, 293.7239

■ 10.3210, 17.7322,
16.2099

■ 37.8486, 55.2232,
53.4022

■ 5.6762, 10.7579,
9.5168

■ 52.7733, 74.5243,
72.8992

■ 2.6880, 5.9043,
4.9784

■ 71.1814, 97.8679,
96.6435

■ 0.9910, 2.7870,
2.1761

■ 93.4382, 125.6387,
125.0537

■ 0.0000, 1.0215,
0.6605

■ 119.9090,
158.2209, 158.5483

■ 0.0000, 0.0000,
0.0000

■ 150.9593,

195.9990, 197.5458

186.9544,
239.3573, 242.4649

■ 16.9878, 27.2116,
25.4761

■ 16.9878, 27.2116,
25.4761

■ 16.5486, 27.0120,
24.2764

■ 17.6088, 27.5053,
26.7324

■ 18.4815, 27.9271,
28.0405

■ 19.6379, 28.4943,
29.4031

■ 21.1051, 29.2208,
30.8218

■ 22.9065, 30.1186,
32.2979

■ 25.0637, 31.1989,
33.8330

■ 27.5960, 32.4717,
35.4281

■ 30.5216, 33.9463,
37.0847

■ 33.8574, 35.6314,
38.8037

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.6413, 27.2116, 14.8345



16.9878, 27.2116, 25.4761



17.4432, 27.2116, 41.7285

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.9878, 27.2116, 25.4761



29.8011, 27.2116, 66.2446



32.7965, 27.2116, 12.0784

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.9878, 27.2116, 25.4761



15.3973, 8.1536, 3.4529

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



36.6339, 27.2116, 20.1282



16.9878, 27.2116, 25.4761



34.7458, 27.2116, 51.9628

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.9878, 27.2116, 25.4761



24.3700, 27.2116, 69.2129



37.3925, 27.2116, 34.2099



27.4175, 27.2116, 9.0372

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.9878, 27.2116, 25.4761



18.9125, 27.2116, 53.6472



37.3925, 27.2116, 34.2099



34.3386, 27.2116, 14.1236

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.9886, 27.2127, 25.4767



45.9759, 56.4202, 61.3075



14.0310, 26.1426, 4.7972



9.7875, 12.2254, 13.2503



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9886, 27.2127, 25.4767



29.5613, 48.3445, 43.0810



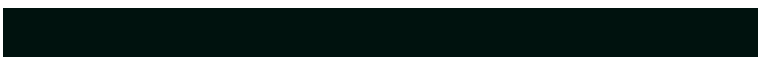
13.3542, 16.0977, 36.1227



7.2110, 7.9852, 8.7226



13.2317, 21.5790, 19.4687



0.2934, 0.4596, 0.4899

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.3973, 8.1536, 3.4529



26.7909, 13.7571, 3.6967



16.2598, 10.5501, 1.6700



7.1329, 7.1096, 7.6862



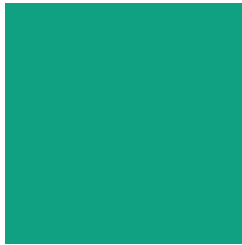
11.9872, 6.1509, 1.8572



0.2676, 0.1355, 0.1217

Previews

White Background



This preview shows how the XYZ color 16.9878, 27.2116, 25.4761 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.9878, 27.2116, 25.4761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

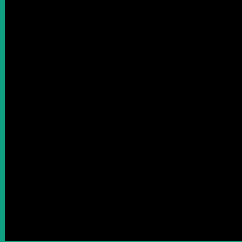
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9878, 27.2116, 25.4761

Background



This preview shows how black text looks on a background with the XYZ color 16.9878, 27.2116, 25.4761.

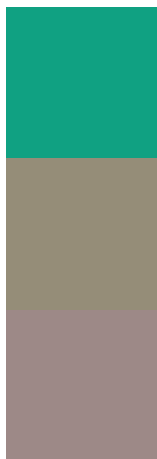


This preview shows how white text looks on a background with the XYZ color 16.9878, 27.2116,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.9878, 27.2116, 25.4761

Protanopia

25.3095, 26.7954, 21.6074

Deuteranopia

27.2235, 26.8087, 26.6614



Tritanopia

20.2717, 27.2822, 41.2433

Trichromacy



Original Color

16.9878, 27.2116, 25.4761

Protanomaly

19.5948, 25.4017, 22.9391

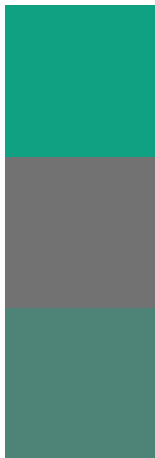
Deuteranomaly

20.4564, 25.3154, 25.9985

Tritanomaly

18.8589, 27.1989, 34.8278

Monochromacy



Original Color

16.9878, 27.2116, 25.4761

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.6483, 19.2084, 20.7048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9878, 27.2116, 25.4761 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(16, 161, 130)` looks like.

```
.text, #text, p{  
    color:rgb(16, 161, 130)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(16, 161, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 161, 130) }
```

Border

The CSS property to change the border of an element to XYZ 16.9878, 27.2116, 25.4761 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(16, 161, 130) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(16, 161, 130) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(16, 161, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(16, 161, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(16, 161, 130); box-shadow:4px 4px 4px 4px rgb(16, 161, 130) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9878, 27.2116, 25.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 161, 130) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(16, 161,  
130) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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